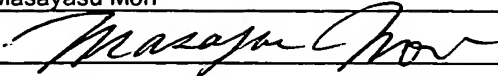


REISSUE PATENT APPLICATION TRANSMITTAL	Attorney Docket No.	251496US90RE
	First Named Inventor	Motoo ASAI
	Original Patent Number	6,376,049 B1
	Original Patent Issue Date	April 23, 2002
	Title	MULTILAYER PRINTED WIRING BOARD AND ITS MANUFACTURING METHOD, AND RESIN COMPOSITION FOR FILLING THROUGH-HOLE

APPLICATION FOR REISSUE OF: <input checked="" type="checkbox"/> Utility Patent <input type="checkbox"/> Design Patent <input type="checkbox"/> Plant Patent	
APPLICATION ELEMENTS	ADDRESS TO: Commissioner for Patents Mail Stop Patent Application Alexandria, Virginia 22313
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Specification and claims</p> <p>3. <input checked="" type="checkbox"/> Drawing(s)</p> <p>4. <input type="checkbox"/> Reissue Oath or Declaration</p> <p>5. Original U.S. Patent <input type="checkbox"/> Offer to surrender original patent or <input checked="" type="checkbox"/> Ribbioned Original Patent Grant <input type="checkbox"/> Affidavit / Declaration of Loss</p> <p>6. Original U.S. Patent currently assigned? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>if yes, check applicable boxes <input type="checkbox"/> Written Consent of all Assignees <input type="checkbox"/> 37 C.F.R. §3.73(b) Statement <input type="checkbox"/> Power of Attorney</p>	ACCOMPANYING APPLICATION PARTS <p>7. <input checked="" type="checkbox"/> Statement of status/support for all changes to the claims. See 37 CFR 1.173 (c).</p> <p>8. <input checked="" type="checkbox"/> Foreign Priority Claim (35 U.S.C. 119)</p> <p>9. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations (2)</p> <p>10. <input type="checkbox"/> English Translation of Reissue Oath/Declaration</p> <p>11. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>12. <input type="checkbox"/> Preliminary Amendment</p> <p>13. <input checked="" type="checkbox"/> White Advance Serial No. Postcard</p> <p>14. <input checked="" type="checkbox"/> Other: Request for Priority Application Data Sheet (4 pages)</p>
15. CORRESPONDENCE ADDRESS Customer Number 22850 (703) 413-3000 FACSIMILE: (703) 413-2220	

Name:	Masayasu Mori	Registration No.:	47,301
Signature:		Date:	4/22, '04
Name:		Registration No.:	

REISSUE APPLICATION FEE TRANSMITTAL FORM					Docket Number 251496US90RE	
Claims as filed - Part 1						
Claims in Original Patent	For	Number Filed in Reissue Application	Number Extra	Rate		Fee
86	Total Claims	92	6	x	\$18 =	\$108.00
13	Independent	14	1	x	\$86 =	\$86.00
Basic Fee (37 CFR 1.16(h))						\$770.00
<input checked="" type="checkbox"/> Late Filing of Declaration						\$130.00
Total of above calculations						\$1,094.00
<input type="checkbox"/> Reduction by 50% for filing by small entity						\$0.00
Total Filing Fee						\$1,094.00

☐ Please charge Deposit Account No. 15-0030 in the amount of _____ A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 or 1.17 which may be required, or credit any overpayment to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

☐ A check in the amount of _____ to cover the filing/additional fee is enclosed.

☒ Credit card payment form is attached to cover the filing/additional fee in the amount of \$1,094.00

4/22, '04
Date



Signature of Applicant, Attorney or Agent of Record

Masayasu Mori
Registration No. 47,403

Typed or printed name

DOCKET NO: 251496US90RE

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE REISSUE APPLICATION OF :
MOTOO ASAI, ET AL. : EXAMINER: UNASSIGNED
PATENT NO: 6,376,049 B1 :
ISSUED: APRIL 23, 2002 : GROUP ART UNIT: UNASSIGNED
FOR: MULTILAYER PRINTED WIRING :
BOARD AND ITS MANUFACTURING
METHOD, AND RESIN COMPOSITION
FOR FILLING THROUGH-HOLE

STATUS OF CLAIMS AND SUPPORT FOR CLAIM CHANGES

UNDER 37 CFR §1.173(c)

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

In accordance with 37 CFR §1.173(c), the following is a statement of the status of the patent claims, and an explanation of the support in the disclosure of the patent for the changes made to the claims.

Claims 1-92 are present in the reissue patent application including original Claims 1-86 and new reissue Claims 87-92.

Claim 87 finds support at column 3, lines 52-54 and column 16, lines 15-42.

Claim 88 finds support at column 16, lines 8-11.

Claim 89 finds support at column 5, line 66 to column 6, line 2.

Claim 90 finds support at column 6, lines 9-11.

Claim 91 finds support at column 6, lines 17-20.

Claim 92 finds support at column 11, lines 21-25.

New Reissue Application

Patent No. 6,376,049 B1

Status of Claims and Support for Claim Changes under 37 CFR §1.173(c)

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Masayasu Mori
Attorney of Record
Registration No.

Customer Number

22850

Tel: (703) 413-3000

Fax: (703) 413 -2220

(OSMMN 08/03)

MM:JM

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,376,049 B1
DATED : April 23, 2002
INVENTOR(S) : M. Asai et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page.

Item [56], **References Cited**, the following FOREIGN PATENT DOCUMENT was omitted and should be included:

-- 9-130050 5/16/97 Japan --

Column 31.

Line 56, after "at least" insert -- one --.

Line 60, "ahigh" should be -- a --.

Column 32.

Line 53, "ans" should be -- and --.

Line 55, "the" should be -- a --.

Line 56, after "the" insert -- at --.

Line 64, "wqual" should be -- equal --.

Column 34.

Line 4, "throhg-hole" should be -- through-hole --.

Line 26, "particle" should be -- particulate --.

Lines 35-36, "novalac" should be -- novolac -- (three occurrences).

Line 38, "novalac" should be -- novolac --

Line 49, "inorgainic" should be -- inorganic --.

Line 62, "lest" should be -- least --.

Column 35.

Line 40, "electroplatinng" should be -- electroplating --.

Line 48, "lest" should be -- least --.

Line 64, "tretment" should be -- treatment --.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,376,049 B1
DATED : April 23, 2002
INVENTOR(S) : M. Asai et al.

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 38.

Line 64, "ater" should be -- after--.

Signed and Sealed this

Eighteenth Day of March, 2003

A handwritten signature in black ink, appearing to read "James E. Rogan", with a horizontal line drawn underneath it.

JAMES E. ROGAN
Director of the United States Patent and Trademark Office

FOREIGN PATENT DOCUMENTS

JP	4-27194	1/1992
JP	4-92496	3/1992
JP	4-303937	10/1992
JP	5-110254	4/1993
JP	5-198909	8/1993
JP	5-67670	9/1993
JP	5-243728	9/1993
JP	6-069648	3/1994
JP	6-76474	9/1994
JP	6-275959	9/1994
JP	6-283860	10/1994
JP	6-302956	10/1994
JP	6-338218	12/1994
JP	7-162158	6/1995
JP	7-188391	7/1995
JP	7-283538	10/1995
JP	8-83971	3/1996
JP	9-8424	1/1997
JP	9-116273	5/1997
JP	9-181415	7/1997
JP	10-22611	1/1998

OTHER PUBLICATIONS

English language abstract JP 6-76474.

English language abstract JP 5-198909.

English language abstract JP 7-162158.

English language abstract JP 1-100996.

English language abstract of JP 8-83971.

English Language abstract of-JP-6-338218.

English Language abstract of-7-188931.

English Language abstract of-JP-7-283538.

English Language abstract of-JP-9-116273.

English Language abstract of -JP-6-069648.

English Language abstract of-JP-9-130050.

English Language abstract of-JP-6-283860.

English Language abstract of-JP-5-110254.

English language abstract of JP 9-181415.

English language abstract of JP 9-8424.

English language abstract of JP 2-196494.

English language abstract of JP 1-143292.

English language abstract of JP 4-92496.

English language abstract of JP 5-243728.

English Language Abstract of JP 63-66993.

English Language Abstract of JP 4-27194.

English Language Abstract of JP 10-22611.

* cited by examiner